

What is claimed is:

1. A thermoplastic elastomer comprising (A) 10-90 wt. % of propylene homopolymer principally containing propylene units of exactly alternating configuration and having a syndiotactic pentad fraction of at least 0.86 and (B) 90-10 wt. % of an ethylene-propylene-nonconjugated diene copolymer rubber and/or an ethylene-propylene copolymer rubber, said component (B) having been partially crosslinked.
2. A composition for preparing a thermoplastic elastomer, which comprises (A) 10-90 wt. % of propylene homopolymer principally containing propylene units of exactly alternating configuration and having a syndiotactic pentad fraction of at least 0.86 and (B) 90-10 wt. % of an ethylene-propylene-nonconjugated diene copolymer rubber and/or an ethylene-propylene copolymer rubber, and an organic peroxide.
3. A composition of claim 2 for preparing a thermoplastic elastomer, wherein the organic peroxide is contained in an amount of 0.39 parts by wt. per 100 parts by wt. of the sum of the components (A) and (B).
4. A composition of claim 2 for preparing thermoplastic elastomer, which further comprises a crosslinking coagent.
5. A process for the preparation of a thermoplastic elastomer, which comprises crosslinking a thermoplastic elastomer composition of claim 2 while melting and masticating the same.
6. A thermoplastic elastomer of claim 1, wherein the syndiotactic pentad fraction of the propylene homopolymer is 0.86.
7. A thermoplastic elastomer of claim 1, wherein the syndiotactic pentad fraction of the propylene homopolymer is 0.87.

8. A composition of claim 2 for preparing a thermoplastic elastomer, wherein the syndiotactic pentad fraction of the propylene homopolymer is 0.86.

9. A composition of claim 2 for preparing a thermoplastic elastomer, wherein the syndiotactic pentad fraction of the propylene homopolymer is 0.87.

10. A molded or extruded article made of the thermoplastic elastomer of claim 1.

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